

Notice of Allowability

Application No.

10/634,602

Examiner

Ji H. Bae

Applicant(s)

PONTARELLI, MARK C.

Art Unit

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendments filed on 10-25-2006.
2. ☒ The allowed claim(s) is/are 1-8 and 10-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20061122.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Kacvinsky on 21 November 2006.

The application has been amended as follows:

Claim 5 is amended to read:

A method comprising:

detecting an event related to a first network interface;

querying a second network interface to determine if the second network interface requires servicing;

waking a host processor in response to the detected event;

servicing the first network interface and the second network interface in response to the detecting;

wherein the servicing comprises servicing the first network interface and the second network interface during a same wake session in response to the detecting.

Claim 8 is amended to read:

The method of claim 5 wherein the servicing comprises servicing the host processor detecting a timer event related to servicing the first network interface.

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Claim 9 is cancelled.

Claim 10 is amended to read:

The method of claim 5 and further comprising:

placing the host processor in a power saving state prior to detecting the event; and
returning the host processor to the power saving state after servicing the first and
second network interfaces.

Claim 11 is amended to read:

A method in a system having multiple network interfaces, the method comprising:
detecting an event related to a first network interface;
detecting an event related to a second network interface;
querying any one of the first and second network interfaces to determine if any one of
the first and second network interfaces require servicing;
waking a processor in response to the detecting of an event;
notifying the processor of the events for the first and second network interfaces;
servicing the events for both the first and second network interfaces in response to the
notifying;
wherein the servicing comprises servicing the first network interface and the second
network interface during a same wake session in response to the detecting of an event related
to a first network interface or a second network interface.

Claim 12 is amended to read:

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The method of claim 11 wherein the notifying comprises sending an interrupt to the processor.

Claim 15 is amended to read:

An apparatus comprising:

a host processor;

at least two network interfaces coupled to the host processor; and

an interface coordinator adapted to coordinate servicing of the at least two network interfaces upon detection of an event related to a first network interface, the interface coordinator to query a second network interface to determine if the second network interface requires servicing;

wherein the host processor is awakened in response to the detected event; and

wherein servicing comprises servicing the first network interface and the second network interface during a same wake session in response to the detecting.

Claim 16 is amended to read:

The apparatus of claim 15 wherein:

the first network interface is in communication with a first wireless network; and

the second network interface is in communication with a second wireless network.

Claim 19 is amended to read:

The apparatus of claim 15 wherein the first network interface is in communication with a wired network, and the second network interface is in communication with a wireless network.

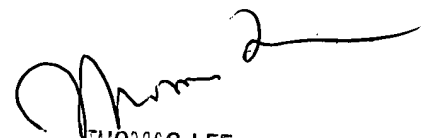
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ji H. Bae whose telephone number is 571-272-7181. The examiner can normally be reached on Monday-Friday, 10 am to 6:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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